

DATA QUERY SYSTEM LOAD OPTIMIZATION

ABSTRACT OF THE DISCLOSURE

A system, method and article of manufacture for query execution management in a data processing system and, more particularly, for optimizing execution of queries that are repeatedly executed against one or more databases in a data processing system. One embodiment provides a method for optimizing execution of a query that is repeatedly issued from an issuing entity against a database. The method comprises executing the query against the database to obtain an initial query result, returning the initial query result to the issuing entity, and managing re-execution of the query. Managing the re-execution comprises storing the initial query result in a temporary query result data structure, executing a trigger procedure for tracking database changes, when the trigger procedure detects a database change, updating the temporary query result data structure on the basis of the detected database change, and when the query is re-executed against the database, returning the temporary query result data structure to the issuing entity as query result.